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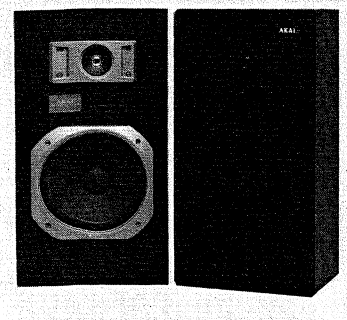
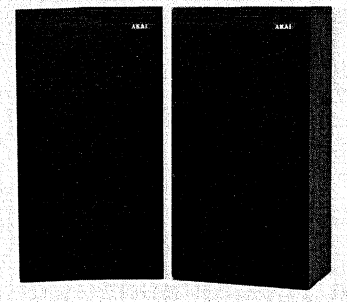
AKAI SERVICE MANUAL



SR-H110

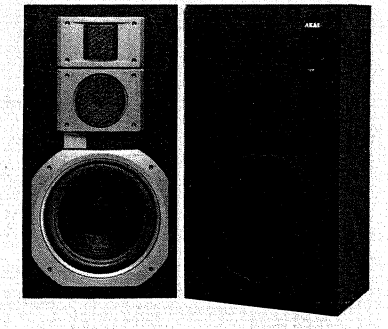
SR-H210

SR-H310



SR-S22

SR-S33



SR-S410

SR-H110/210/310
SR-S22/S33/S410

SPEAKER SYSTEM

MODEL SR-H110 SR-H210 SR-H310 SR-S22 SR-S33 SR-S410

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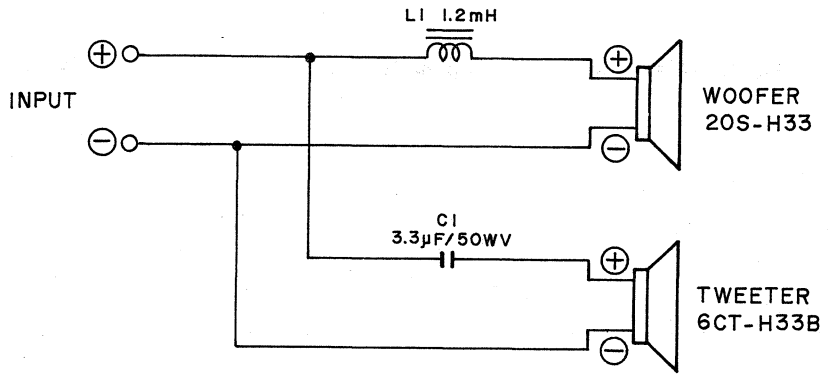
I. MODEL SR-H110

1. SPECIFICATIONS

MODEL	SR-H110W/B/M
SYSTEM	2 way 2 speakers
SPEAKERS	Woofer: 20 cm (7.9″) Tweeter: 6.5 cm (2.6″)
RATED IMPEDANCE	8 ohms
RATED POWER INPUT	30W
MAXIMUM POWER INPUT	40W
OPERATION POWER	6.3W at 400 Hz
EFFICIENCY	88 dB/W/m
FREQUENCY RANGE	45 Hz to 20 kHz
HARMONIC DISTORTION	2nd: Less than 3% 3rd: Less than 3%
CROSSOVER FREQUENCY	3 kHz
ENCLOSURE TYPE	Closed Cabinet
CABINET FINISH	SR-H110W: Walnut SR-H110BL: Black Color SR-H110M: Mahogany
CABINET DIMENSIONS	265(W) ×520(H) ×228(D) mm (10.4 × 20.5 × 9.0″)
WEIGHT (NET)	7.1 kg (15.6 lbs)

*For improvement purposes, specifications and design are subject to change without notice.

2. SCHEMATIC DIAGRAM



3. PARTS LIST

Ref. No.	Parts No.	Description
1-1	0-1553-076	Cabinet SR-H110-W
1-2	0-1553-077	Cabinet SR-H110-B
1-3	0-1553-078	Cabinet H110-M
1-4	0-1553-064	Fixing Sleeve
1-5	0-1553-085	Front Grille Assembly (Black)
1-6	0-1553-097	Front Grille Assembly (Dark blue)
1-7	0-1553-065	Fixing Pin
1-8	0-1553-057	Cross-Over Network Block
1-9	0-1553-094	Choke Coil 1.2mH (L1)
1-10	–	C EC H NP 3R3M 50 DC (C1)
1-11	0-1545-396	Woofer Unit 20S-H33
1-12	0-1553-088	Woofer Trim
1-13	–	TIBID40×30STL NI3 (For Woofer Unit & Woofer Trim)
1-14	0-1545-407	Tweeter Unit 6CT-H33B
1-15	–	TIBID30×14STL CMT (For Tweeter Unit)
1-16	0-1553-090	Tweeter Trim
1-17	–	TIBID40×16STL NI3 (For Tweeter Trim)
1-18	–	Built in Cable 3m (Without Net Work)

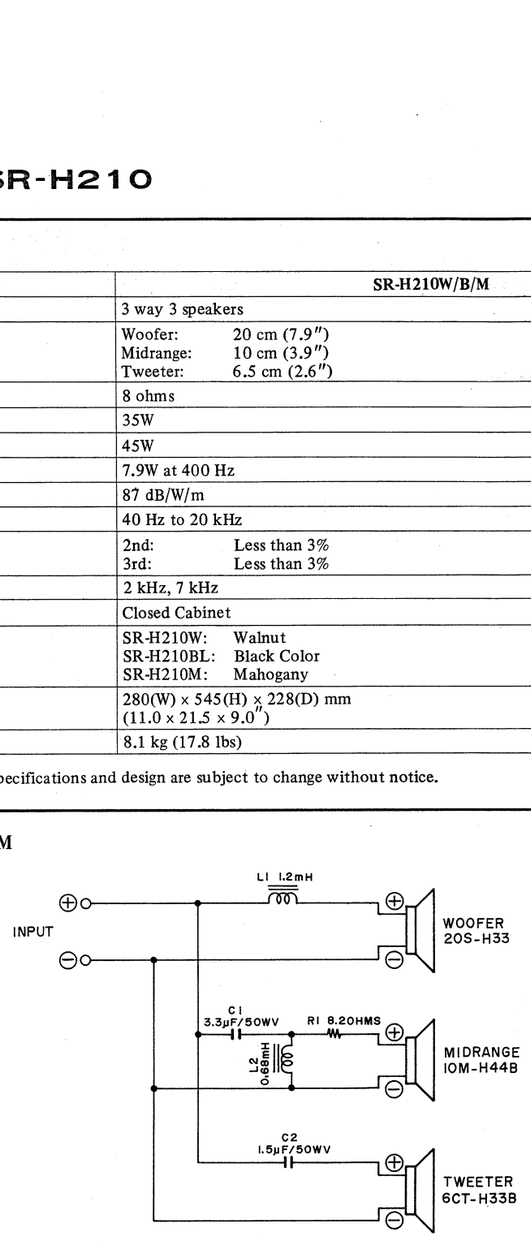
II. MODEL SR-H210

1. SPECIFICATIONS

MODEL	SR-H210W/B/M
SYSTEM	3 way 3 speakers
SPEAKERS	Woofer: 20 cm (7.9″) Midrange: 10 cm (3.9″) Tweeter: 6.5 cm (2.6″)
RATED IMPEDANCE	8 ohms
RATED POWER INPUT	35W
MAXIMUM POWER INPUT	45W
OPERATION POWER	7.9W at 400 Hz
EFFICIENCY	87 dB/W/m
FREQUENCY RANGE	40 Hz to 20 kHz
HARMONIC DISTORTION	2nd: Less than 3% 3rd: Less than 3%
CROSSOVER FREQUENCY	2 kHz, 7 kHz
ENCLOSURE TYPE	Closed Cabinet
CABINET FINISH	SR-H210W: Walnut SR-H210BL: Black Color SR-H210M: Mahogany
CABINET DIMENSIONS	280(W) x 545(H) x 228(D) mm (11.0 x 21.5 x 9.0″)
WEIGHT (NET)	8.1 kg (17.8 lbs)

*For improvement purposes, specifications and design are subject to change without notice.

2. SCHEMATIC DIAGRAM



3. PARTS LIST

Ref. No.	Parts No.	Description
2-1	0-1553-079	Cabinet SR-H210-W
2-2	0-1553-080	Cabinet SR-H210-B
2-3	0-1553-081	Cabinet SR-H210-M
2-4	0-1553-064	Fixing Sleeve
2-5	0-1553-086	Front Grille Assembly (Black)
2-6	0-1553-098	Front Grille Assembly (Dark blue)
2-7	0-1553-065	Fixing Pin
2-8	0-1553-092	Cross-Over Network Block
2-9	0-1553-094	Choke Coil 1.2mH (L1)
2-10	0-1553-095	Choke Coil 0.68mH (L2)
2-11	–	C EC H NP 3R3M 50DC (C1)
2-12	–	C EC H NP 1R5M 50DC (C2)
2-13	–	Resister 8.2Ω (R1)
2-14	0-1545-396	Woofer Unit 20S-H33
2-15	0-1553-088	Woofer Trim
2-16	–	TIBID40×30STL NI3 (For Woofer Unit & Woofer Trim)
2-17	0-1545-408	Mid Range Unit 10M-H44B
2-18	–	TIBID40×16STL NI3 (For Mid Range Unit)
2-19	0-1553-089	Mid Range Trim
2-20	–	TIBID40×16STL NI3 (For Mid Range Trim)
2-21	0-1545-407	Tweeter Unit 6CT-H33B
2-22	–	TIBID30×14STL CMT (For Tweeter Unit)
2-23	0-1553-090	Tweeter Trim
2-24	–	TIBID40×16STL NI3 (For Tweeter Trim)
2-25	–	Built in Cable 3m (Without Net Work)

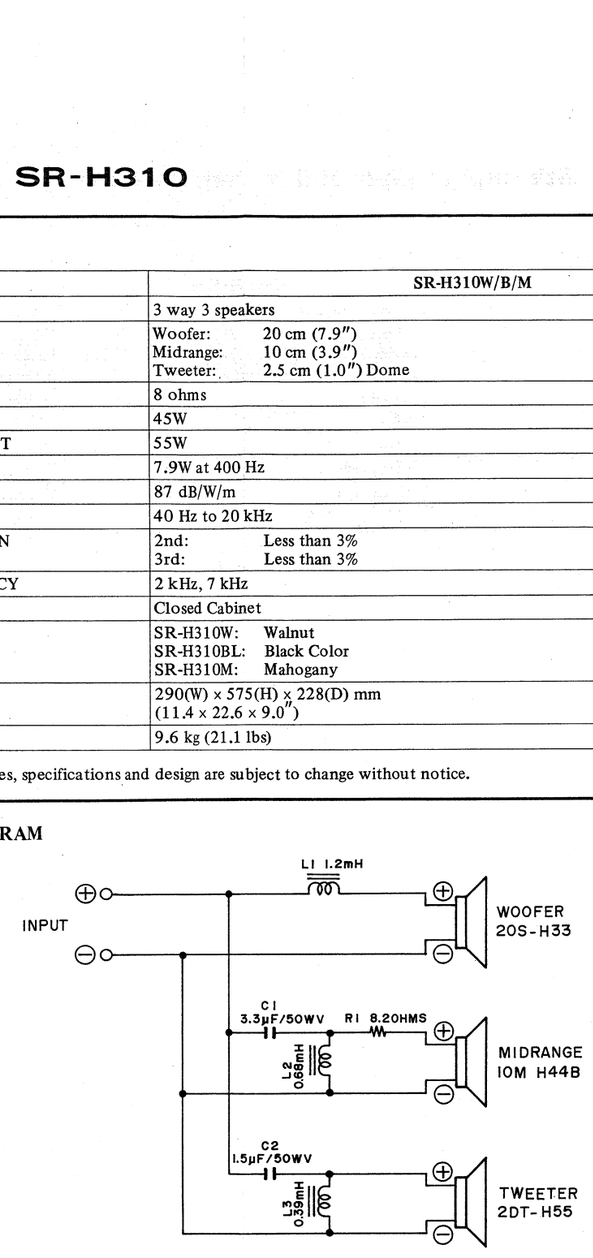
III. MODEL SR-H310

1. SPECIFICATIONS

MODEL	SR-H310W/B/M
SYSTEM	3 way 3 speakers
SPEAKERS	Woofer: 20 cm (7.9″) Midrange: 10 cm (3.9″) Tweeter: 2.5 cm (1.0″) Dome
RATED IMPEDANCE	8 ohms
RATED POWER INPUT	45W
MAXIMUM POWER INPUT	55W
OPERATION POWER	7.9W at 400 Hz
EFFICIENCY	87 dB/W/m
FREQUENCY RANGE	40 Hz to 20 kHz
HARMONIC DISTORTION	2nd: Less than 3% 3rd: Less than 3%
CROSSOVER FREQUENCY	2 kHz, 7 kHz
ENCLOSURE TYPE	Closed Cabinet
CABINET FINISH	SR-H310W: Walnut SR-H310BL: Black Color SR-H310M: Mahogany
CABINET DIMENSIONS	290(W) x 575(H) x 228(D) mm (11.4 x 22.6 x 9.0″)
WEIGHT (NET)	9.6 kg (21.1 lbs)

*For improvement purposes, specifications and design are subject to change without notice.

2. SCHEMATIC DIAGRAM



3. PARTS LIST

Ref. No.	Parts No.	Description
3-1	0-1553-082	Cabinet SR-H310-W
3-2	0-1553-083	Cabinet SR-H310-B
3-3	0-1553-084	Cabinet SR-H310-M
3-4	0-1553-064	Fixing Sleeve
3-5	0-1553-087	Front Grille Assembly (Black)
3-6	0-1553-099	Front Grille Assembly (Dark blue)
3-7	0-1553-065	Fixing Pin
3-8	0-1981-706	Snapin Red
3-9	0-1981-707	Snapin Black
3-10	0-1553-093	Cross-Over Network Block
3-11	0-1553-094	Choke Coil 1.2mH (L1)
3-12	0-1553-095	Choke Coil 0.68mH (L2)
3-13	0-1553-096	Choke Coil 0.39mH (L3)
3-14	–	C EC H NP 3R3M 50DC (C1)
3-15	–	C EC H NP 1R5M 50DC (C2)
3-16	–	Resister 8.2Ω (RI)
3-17	0-1545-396	Woofer Unit 20S-H33
3-18	0-1553-088	Woofer Trim
3-19	–	TIBID40×30STL NI3 (For Woofer Unit & Woofer Trim)
3-20	0-1545-408	Mid Range Unit 10M-H44B
3-21	–	TIBID40×16STL NI3 (For Mid Range Unit)
3-22	0-1553-089	Mid Range Trim
3-23	–	TIBID40×16STL NI3 (For Mid Range Trim)
3-24	0-1545-393	Tweeter Unit 2DT-H55
3-25	–	TIBID40×16STL NI3 (For Tweeter Unit)
3-26	0-1553-091	Tweeter Trim
3-27	–	TIBID40×16STL NI3 (For Tweeter Trim)
3-28	–	Accessory Cable 3m

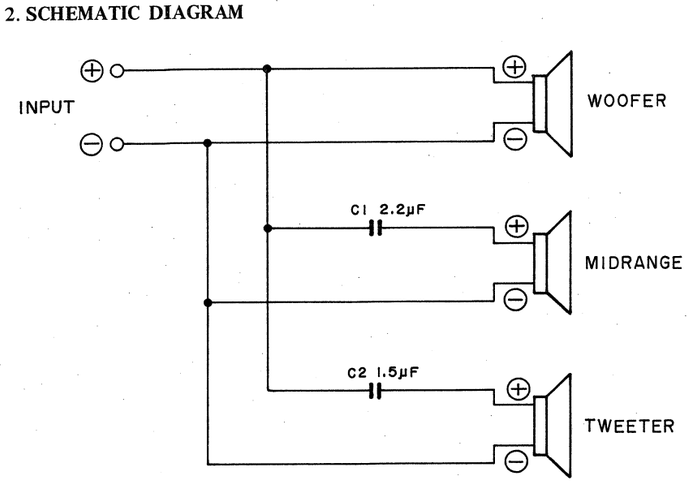
IV. MODEL SR-S22/SR-S33/SR-S410

1. SPECIFICATIONS

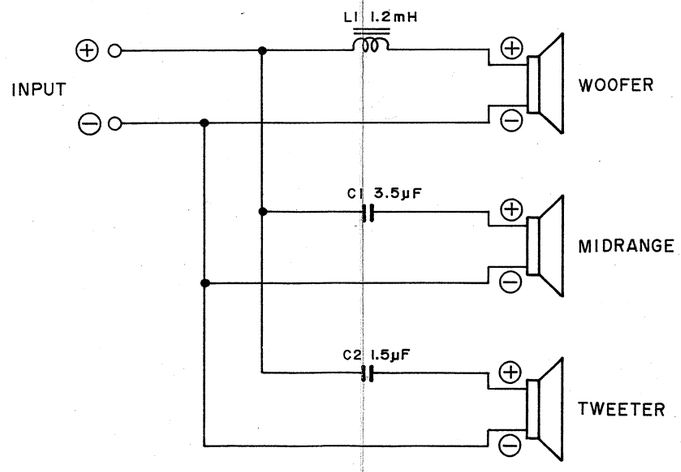
MODEL	SR-S22W/B/M	SR-S33W/B/M	SR-S410W/B/M
SYSTEM	3 way 3 speakers	3 way 3 speakers	3 way 3 speakers
SPEAKERS	Woofer: 20 cm (7.9″) Midrange: 6.6 cm (2.6″) Tweeter: 5.0 cm (2.0″)	Woofer: 20 cm (7.9″) Midrange: 10 cm (3.9″) Tweeter: 2.5 cm (1.0″) Dome	Woofer: 25 cm (9.8″) Midrange: 10 cm (3.9″) Tweeter: 2.0 cm (0.8″) Dome
RATED IMPEDANCE	8 ohms	8 ohms	8 ohms
RATED POWER INPUT	30W	55W	75W
MAXIMUM POWER INPUT	40W	70W	110W
OPERATION POWER	5W at 400 Hz	3.2W at 400 Hz	3.2W at 300 Hz
EFFICIENCY	89 dB/W/m	91 dB/W/m	91 dB/W/m
FREQUENCY RANGE	70 Hz to 20 kHz	55 Hz to 20 kHz	60 Hz to 20 kHz
HARMONIC DISTORTION	2nd: Less than 3% 3rd: Less than 3%	2nd: Less than 3% 3rd: Less than 3%	2nd: Less than 3% 3rd: Less than 3%
CROSSOVER FREQUENCY	5 kHz, 10 kHz	2.5 kHz, 8 kHz	1.2 kHz, 7 kHz
ENCLOSURE TYPE	Closed Cabinet	Closed type	Closed Cabinet
CABINET FINISH	SR-S22W: Walnut SR-S22BL: Black Color SR-S22M: Mahogany	SR-S33W: Walnut SR-S33BL: Black Color SR-S33M: Mahogany	SR-S410W: Walnut SR-S410BL: Black Color SR-S410M: Mahogany
CABINET DIMENSIONS	265(W) ×520(H) ×197(D) mm (10.4 × 20.5 × 7.8″)	290(W) × 575(H) × 231(D) mm (11.4 × 22.6 × 9.1″)	320(W) × 610(H) × 231(D) mm (12.6 × 24.0 × 9.1″)
WEIGHT (NET)	12.4 kg (27.3 lbs)	17 kg (37.4 lbs)	19.2 kg (42.2 lbs)

*For improvement purposes, specifications and design are subject to change without notice.

2. SCHEMATIC DIAGRAM



SR-S22



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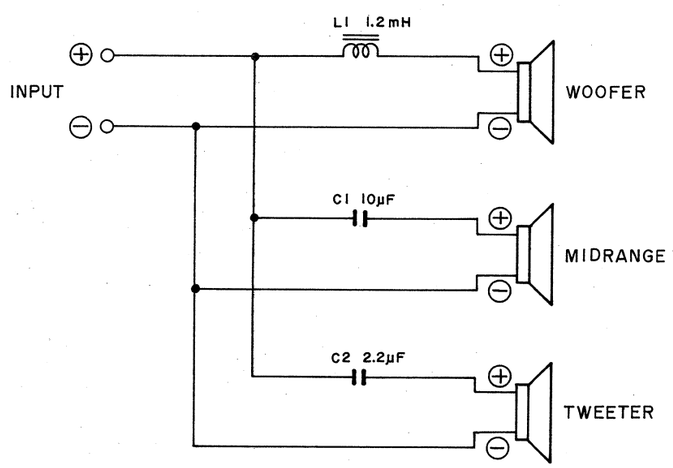

SR-S410

3. PARTS LIST

Ref. No.	Parts No.	Description	Models Concerned
4-1	103101	Tweeter	S22
4-2	103100	Tweeter	S33 S410
4-3	103079	Midrange	S22
4-4	103054	Midrange	S33
4-5	103074	Midrange	S410
4-6	103078	Woofer	S22
4-7	103031	Woofer	S33
4-8	103099	Woofer	S410
4-9	101157	Cabinet (Unit)	S22W
4-10	101155	Cabinet (Unit)	S22M
4-11	101156	Cabinet (Unit)	S22B
4-12	101160	Cabinet (Unit)	S33W
4-13	101158	Cabinet (Unit)	S33M
4-14	101159	Cabinet (Unit)	S33B
4-15	101163	Cabinet (Unit)	S410W
4-16	101161	Cabinet (Unit)	S410M
4-17	101162	Cabinet (Unit)	S410B
4-18	152047	Grille Panel	S33
4-19	152048	Grille Panel	S410
4-20	150038	Cross-over Net-work	S22
4-21	150030	Cross-over with Net-work/connector	S33
4-22	150045	Cross-over with Net-work/connector	S410
4-23	127020	Cable	S33 S410
4-24	137012	Embellisher Woofer 8″	S33
4-25	137016	Embellisher Woofer 10″	S410
4-26	137015	Embellisher Tweeter	S33 S410
4-27	137013	Embellisher Midrange	S33 S410
4-28	116102	Carton Box (Pair)	S22
4-29	116103	Carton Box (Pair)	S33
4-30	116104	Carton Box (Pair)	S410

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